

IN THE SPECIFICATION

Please replace the paragraph beginning on page 2, line 2, with the following rewritten paragraph:

The reactions in steps (i) and (iii) are preferably carried out in two separate reactors, for instance fixed-bed reactors, with the reaction of step (i) preferably taking place in an isothermal reactor and the reaction of step (iii) preferably taking place in an adiabatic reactor. The reactor used in step (i) will hereinafter also be referred to as main reactor and the reactor used in step ~~[(ii)]~~ (iii) will be referred to as after-reactor. According to the process disclosed, the reaction mixture comprising the hydroperoxide and the organic compound are fed into the after-reactor via only one feed point which may, for example, be located at the bottom of the after-reactor. The product mixture is taken from the reactor via only one outlet which is located, for example, at the top of the reactor.

Please replace the paragraph beginning on page 7, line 4, with the following rewritten paragraph:

The two above-described embodiments can also be combined. In this preferred embodiment of the process of the present invention, the reaction mixture is fed to the after-reactor via the uppermost feed point and the product mixture is taken off via the bottommost offtake, and when the hydroperoxide conversion has dropped to a previously defined threshold value, the next lower feed point and the next ~~lower~~ higher outlet are used.

Please replace the paragraph beginning on page 10, line 9, with the following rewritten paragraph:

Preference is given to using organic compounds which have at least one C-C double bond. Examples of such organic compounds having at least one C-C double bond include the following alkenes:

ethene, propene, 1-butene, 2-butene, isobutene, butadiene, pentenes, piperylene, hexenes, hexadienes, heptenes, octenes, diisobutene, trimethylpentene, nonenes, dodecene, tridecene, tetradecene to eicosene, tripropene and tetrapropene, polybutadienes, polyisobutenes, isoprene, terpenes, geraniol, linalool, linalyl acetate, methylenecyclopropane, cyclopentene, cyclohexene, norbornene, cycloheptene, vinylcyclohexane, vinyloxirane, vinylcyclohexene, styrene, cyclooctene, cyclooctadiene, vinylnorbornene, indene, tetrahydroindene, methylstyrene, dicyclopentadiene, divinylbenzene, cyclododecene, cyclododecatriene, stilbene, diphenylbutadiene, vitamin A, beta carotene, vinylidene fluoride, allyl halides, crotyl chloride, methallyl chloride, dichlorobutene, allyl alcohol, methyl methallyl alcohol, butenols, butenediols, cyclopentenediols, pentenols, octadienols, tridecenols, unsaturated steroids, ethoxyethene, isoeugenols, anethole, unsaturated carboxylic acids such as acrylic acid, methacrylic acid, crotonic acid, maleic acid, vinylacetic acid, and also unsaturated fatty acids such as oleic acid, linoleic acid, palmitic acid, also naturally occurring fats and oils.

Please replace the paragraph beginning on page 10, line 30, with the following rewritten paragraph:

Preference is given to using alkenes containing from 2 to 8 carbon atoms. Particularly preferably, ethene, propene and butane butene are reacted. Especially preferably, propene is reacted.